

Supplementary Table 3. DEGs with Lymphatic Invasion

Gene symbol	Gene title	Log FC	p value (<0.001)
HYOU1	Hypoxia up-regulated 1	0.88862	3.89E-05
PON3	Paraoxonase 3	1.592316	9.56E-05
SCGB1A1	Secretoglobin, family 1A, member 1 (uteroglobin)	1.706805	0.00012
CEP70	Centrosomal protein 70 kDa	0.806187	0.000134
MMP12	Matrix metallopeptidase 12 (macrophage elastase)	1.288139	0.000384
REN	Renin	0.90335	0.000437
ODZ1	Odz, odd Oz/ten-m homolog 1 (<i>Drosophila</i>)	0.827249	0.000519
KIAA0562	KIAA0562	0.741699	0.000589
CHI3L2	Chitinase 3-like 2	1.078386	0.000724
NUCB2	Nucleobindin 2	1.093411	0.00074
MANF	Mesencephalic astrocyte-derived neurotrophic factor	0.635895	0.000756
TMEM176A	Transmembrane protein 176A	1.261449	0.000803
PRR16	Proline rich 16	0.819573	0.001381
PDIA4	Protein disulfide isomerase family A, member 4	0.90513	0.001474
AMPH	Amphiphysin	0.6088	0.001763
GHR	Growth hormone receptor	0.902909	0.001885
FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	0.617991	0.002031
DERL2	Der1-like domain family, member 2	0.641392	0.002211
PIK3C2A	Phosphoinositide-3-kinase, class 2, alpha polypeptide	0.571001	0.002446
LTB	Lymphotoxin beta (TNF superfamily, member 3)	1.31303	0.002656
ABP1	Amiloride binding protein 1 [amine oxidase (copper-containing)]	1.640115	0.002805
SDF2L1	Stromal cell-derived factor 2-like 1	0.896498	0.002812
PDIA4	Protein disulfide isomerase family A, member 4	0.823314	0.002938
LM04	LIM domain only 4	0.588678	0.003673
LM04	LIM domain only 4	0.595553	0.003773
ALOX12P2	Arachidonate 12-lipoxygenase pseudogene 2	0.568966	0.004217
QPCT	Glutaminyl-peptide cyclotransferase	1.323514	0.00426
NROB1	Nuclear receptor subfamily 0, group B, member 1	0.375955	0.004334
SPDEF	SAM pointed domain containing ets transcription factor	1.19636	0.004336
LIN7C	Lin-7 homolog C (<i>C. elegans</i>)	0.398387	0.004412
SPINK2	Serine peptidase inhibitor, Kazal type 2 (acrosin-trypsin inhibitor)	0.707165	0.004506
CHST2	Carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	1.123259	0.004509
CYP2B6 //	Cytochrome P450, family 2, subfamily B, polypeptide 6 // cytochrome P450, family 2, subfamily B,	0.485781	0.005266
CYP2B7P1	polypeptide 7 pseudogene 1		
UEVLD	UEV and lactate/malate dehydrogenase domains	0.491682	0.005467
CIZ1	CDKN1A interacting zinc finger protein 1	-0.66295	0.005475
SPDEF	SAM pointed domain containing ets transcription factor	0.990283	0.005579
ACTL8	Actin-like 8	0.535809	0.005744
NCAM1	Neural cell adhesion molecule 1	1.127175	0.005861
HFE	Hemochromatosis	0.642175	0.00589
STK32B	Serine/threonine kinase 32B	0.606777	0.006193
RCL1	RNA terminal phosphate cyclase-like 1	-0.54044	0.006294
PTDSS2	Phosphatidylserine synthase 2	-0.46981	0.006411
MED8	Mediator complex subunit 8	0.483036	0.00645
P4HB	Prolyl 4-hydroxylase, beta polypeptide	0.459077	0.006726
TMEM176B	Transmembrane protein 176B	1.277106	0.00677
CIZ1	CDKN1A interacting zinc finger protein 1	-0.51821	0.007073
FM02	Flavin containing monooxygenase 2 (non-functional)	1.189171	0.007141
KIAA0020	KIAA0020	-0.68416	0.007563

Supplementary Table 3. DEGs with Lymphatic Invasion (Continued)

Gene symbol	Gene title	Log FC	p value (<0.001)
<i>B3GAT1</i>	Beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	0.342755	0.007695
<i>CIZ1</i>	CDKN1A interacting zinc finger protein 1	-0.60942	0.008356
<i>SLC15A2</i>	Solute carrier family 15 (H+/peptide transporter), member 2	0.687047	0.00849
<i>SLC16A2</i>	Solute carrier family 16, member 2 (monocarboxylic acid transporter 8)	0.585456	0.008891
AMY1A///			
AMY1B///			
AMY1C///	Amylase, alpha 1A (salivary) /// amylase, alpha 1B (salivary) /// amylase, alpha 1C (salivary) ///	1.944354	0.009041
AMY2A///	amylase, alpha 2A (pancreatic) /// amylase, alpha 2B (pancreatic)		
AMY2B			
<i>AADAC</i>	Arylacetamide deacetylase (esterase)	0.819631	0.009293
<i>DPY19L2P2</i>	Dpy-19-like 2 pseudogene 2 (<i>C. elegans</i>)	0.771649	0.009456
<i>BSDC1</i>	BSD domain containing 1	0.433424	0.009806

DEGs, differentially expressed genes.